```
in line 8, replace ". In particular, the sounds are thereby" with -,
        particularly where these sounds are-;
                 in line 10, replace "[1]" with -I. Daubechies, "Ten Lectures on
        Wavelets", Saim Verlag, 1992, ISBN 0-89871-274-2, Ch. 5.1, pp. 129-137-;
 5
                 in line 12, replace ". A" with -, resulting in a-;
                 in line 13, cancel ", respectively,", and cancel "thereby";
                 in line 14, cancel "ensues", and cancel "English art term:";
                 in line 16, replace "US-A-5528725" with -U.S. Patent No. 5,528, 725-;
                 in line 18, before "EP", insert -European Patent-;
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                 above line 21, insert
                 --SUMMARY OF THE INVENTION--;
                 replace lines 24-25 with
                 This object is achieved by a method for determining spectral speech
        characteristics in a spoken expression, comprising the steps of: a) digitizing the
        expression; b) wavelet transforming the digitized expression; and c) defining
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        speaker-specific characteristics based on different transformation stages of the
        wavelet transformation. -;
                 in line 26, replace "A method" with -The invention provides a method-;
        and
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                 in line 27, cancel "is recited in the scope of the invention".
                 On page 2:
                 in line 1, cancel "thereby";
                 in line 2, after the last "filter", insert -,-;
                 in line 3, cancel ", respectively,";
25
                 in line 5, cancel ", respectively,";
                 in line 7, replace "whereby" with -where-;
                  in line 8, after "i.e.", insert -,-;
                 in line 13, cancel "thereby";
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in line 14, cancel "comprised therein";

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in line 15, after "i.e.", insert -,-;
                  in line 18, cancel "comprised therein";
                  in line 22, cancel "comprised therein";
                  in line 23, replace "be defined in" with -is defined such-; and
                  in line 25, replace "passes" with -pass parts-.
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                  On page 3:
                 in line 3, after the first "as", insert -a-;
                  in line 5, after "without", insert -a-;
                  in line 6, after "as", insert -a-;
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                 in line 13, replace "as" with -is-;
                  in line 23, replace "a0" with -a)-; and
                 in line 27, cancel "thereby-.
                  On page 4:
                  in line 8, after "example", insert -,-;
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                  in line 9, cancel "comprised therein";
                  in line 11, replace "Furthermore" with -Further-;
                  in line 12, replace "representation" with -representations-, and before the
        last "the", insert -so-;
                  in line 14, before "can", insert -so they-;
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                  in line 16, replace "-- loss-free" with -without loss-;
                  in line 17, replace "Further" with –Furthermore–;
                  in line 18, replace "recited" with -provided-;
                  in line 19, replace "digitalized" with -digitized-;
                  replace line 24 with
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                  Advantageous embodiments include adding a step to the inventive
        method of implementing a windowed transformation of the digitalized expression
        into a frequency domain before the wavelet transformation, which may be
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implemented with a fast Fourier transformation. An advantageous embodiment

may also include a step of determining a low-pass part and a high-pass part of a signal to be transformed in each stage of the wavelet transformation. The high pass part can be subdivided into a real part and an imaginary part.

In the inventive method, the wavelet transformation may include a plurality of transformation stages, a last transformation stage of the plurality of transformation stages supplying a constant part of the expression in a repeated low-pass filtering corresponding to the plurality of transformation stages. Speaker-specific characteristics may be determined by: a basic frequency of the spoken expression; spectral envelope; and/or a huskiness of the spoken expression, and individual speaker-specific characteristics may be adapted to provide a natural sounding concatenation of speech sounds.

An inventive method may be provided implementing the above method for determining spectral speech characteristics comprising a step of selecting those speech sounds from a predetermined data set that assure a natural sounding concatenation of speech sounds on a basis of individual the spectral speech characteristics.

Finally, the object of the invention may be achieved with an arrangement for determining spectral speech characteristics in a spoken expression, comprising a processor unit that is configured to digitize the expression, wavelet transform the digitized expression, and define speaker-specific characteristics on a basis of different transformation stages of the wavelet transformation. --

above line 25, insert
--BRIEF DESCRIPTION OF THE DRAWINGS --;
cancel line 27;
in line 28, before "a wavelet", insert -is a graph illustrating-; and
in line 29, before "a wavelet", insert -is a graph illustrating-.

On page 5:

in line 1, before "a cascaded", insert –is a block diagram illustrating—; in line 3, replace "Figure 4" with –Figures 4A-4F are graphs illustrating

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frequency spectrums of-;
                  in line 4, before "steps", insert -are pictorial diagrams illustrating the-
                  above line 5, insert
                  --DESCRIPTION OF THE PREFERRED EMBODIMENTS--;
 5
                 replace line 6 with -where-;
                 in line 13, before "imaginary", insert -the-;
                 in line 17, replace "whereby" with -where-;
                 in line 19, after "high-pass", insert -part/filter-, after "low-pass", insert
        -part/filter-, and replace ".", with -, producing-; and
                 in line 20, replace "In" with -in-, and replace "thereby occurs, i.e. "with
10
        -, i.e.,-.
                  On page 6:
                 in line 2, replace "304" with -302-;
                 in line 3, after "pass", insert -part-;
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                  in line 4, replace "Im 1" with -Im1-; and
                  in line 6, after all instances of "pass", insert -part-.
                  On page 7:
                  in line 2, replace "Mi" with -Min-;
                 in line 3, replace "Said" with -These-;
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                  in lines 4-5, replace "thereby of particular significance" with
        -particularly significant-;
                  in line 8, cancel "thereby";
                  in line 9, cancel "comprised";
                  in line 10, replace "whereby" with -where-;
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                  in line 12, after "With", insert -a-;
                  in line 16, after "shows" insert -the-;
                  in lines 17-18, replace ", whereby" with -in which-;
                  in line 19, replace "representatives" with -representations-;
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